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WHAT IS CLAIMED IS:

1 1. In a machine for making filters for attachment  
2 to smokers' products, a mobile transfer device for  
3 introduction of filter material for tobacco smoke into  
4 sections of wrapping material; <sup>via Guide bore 240228</sup> guide means for said  
5 transfer device; and compensating means between said  
6 transfer device and said guide means.

1 2. The structure of claim 1, wherein said guide  
2 means comprises a groove for a portion of one of said  
3 transfer device and said compensating means. F.3-7

1 3. The structure of claim 2, wherein said compen-  
2 sating means includes an elastic material.

1 4. The structure of claim 2, wherein said  
2 transfer device includes at least one mobile plunger. 46

1 5. The structure of claim 4, wherein said  
2 compensating means includes <sup>via 23224 F.2</sup> a tubular guide for said at  
3 least one plunger.

1 6. The structure of claim 4, further comprising  
2 means for limiting the extent of movability of said plun-  
3 ger. via 23 ; Fig. 2-4

1           7. The structure of claim 1, wherein said compen-  
2 sating means comprises at least one spring. 52844

1           8. The structure of claim 1, wherein said  
2 transfer device comprises at least one mobile plunger  
3 and a motor for moving said plunger.

1           9. The structure of claim 8, wherein said motor  
2 is a stepping motor.

1           10. The structure of claim 1, wherein said  
2 transfer device comprises at least one mobile plunger  
3 and means for monitoring the extent of movability of said  
4 plunger.

1           11. The structure of claim 10, wherein said  
2 monitoring means is selected from the group consisting  
3 of power sensors, contact sensors and distance sensors.

1           12. The structure of claim 1, wherein said com-  
2 pensating means includes elastic synthetic plastic  
3 material.

1           13. The structure of claim 12, wherein said  
2 elastic material is a foam.

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1           14. The structure of claim 12, wherein at least  
2 one of said transfer device and said guide means has at  
3 least one chamber for said elastic material.

1           15. In a machine for making filters for attachment  
2 to smokers' products, the combination of a mobile device  
3 for introduction of filter material for tobacco smoke  
4 into at least one section of a wrapping material; and  
5 a control element constituting a means for facilitating  
6 only indirect movements of said device.

1           16. The combination of claim 15, further  
2 comprising a compensating element between said mobile  
3 device and said control element.

1           17. A machine for making filters for smoke  
2 generated by products of the tobacco processing industry,  
3 comprising at least one mobile transfer device for the  
4 introduction of quantities of tobacco smoke filtering  
5 material into tubular receptacles; guide means for said  
6 transfer device; and means for compensating for depar-  
7 tures of quantities of filter material from predetermined  
8 quantities.

1 18. In a machine for making composite filter  
2 plugs for attachment to rod-shaped smokers' products,  
3 the combination of:

4 means for advancing a succession of tubular  
5 receptacles for filter material for tobacco smoke in a  
6 predetermined direction along a predetermined path;

7 adjustable means for introducing discrete  
8 quantities of filter material into successive receptacles  
9 in said path;

10 means for monitoring said quantities of filter  
11 material; and

12 means for adjusting said introducing means when  
13 the monitored quantities depart from a predetermined  
14 value.

1 19. The combination of claim 18, wherein said  
2 introducing means is movable relative to successive  
3 receptacles in a predetermined portion of said path and  
4 the extent of movement of said introducing means is  
5 indicative of the quantity of filter material introduced  
6 into the receptacle then located in said portion of said  
7 path, said monitoring means including means for  
8 ascertaining the extent of movement of said introducing  
9 means.

1           20.    The   combination   of   claim   18,   further  
2   comprising   means   for   removing   from   said   path   those  
3   receptacles   wherein   the   quantity   of   filter   material   in  
4   the   receptacle   occupying   said   portion   of   said   path   causes  
5   the   introducing   means   to   move   through   a   distance   outside  
6   of   a   predetermined   range   of   distances.

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